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Mr. Charles L. A. Terreni
Chief Clerk/Administrator
Public Service Commission of South Carolina
Columbia, South Carolina 29211

Dear Mr. Terreni:

Pursuant to S.C. Code Ann. §58-9-576, AT&T South Carolina respectfully submits the following tariff pages for filing with the Public Service Commission of South Carolina:

Private Line Services Tariff

Section B7.7	First Revised Page 31.0.1
	Original Page 31.0.1.1
	Third Revised Page 33.1
	Original Page 33.2
	First Revised Page 36.1
	Original Page 36.2

This Tariff filing introduces new feature functionality and associated rate elements under the BellSouth Metro Ethernet and SMARTRing product offerings.

This new functionality will allow customers to transport BellSouth Metro Ethernet Service over SMARTRing Metro Ethernet Access Links. Connections between Metro Ethernet and SMARTRing are at SMARTRing central office nodes.

Yours very truly,

Cindy Cox

Executive Director

Attachment

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.1 General (Cont'd)

K. (Cont'd)

10 Mbps Basic Shared Ethernet LAN, 100 Mbps Basic Shared Ethernet LAN and/or Fractional 1000 Mbps Basic Shared Ethernet LAN Customer Channel Interfaces provide multipoint functionality, i.e., Ethernet frames are delivered to two or more locations on a customer's SMARTRing service on a best effort basis. This is a multipoint connection with a bandwidth defined by a Virtual Packet Ring. A Virtual Packet Ring Connection is the medium by which two or more locations exchange Ethernet frames. The bandwidth of the Virtual Packet Ring Connection is determined by the number of STS1's reserved for the Virtual Packet Ring Connection. In order for a customer to access the Virtual Packet Ring, SMARTRing service Customer Nodes must have a 10 Mbps Basic Shared Ethernet LAN, 100 Mbps Basic Shared Ethernet LAN and/or Fractional 1000 Mbps Basic Shared Ethernet LAN interface.

SMARTRing service Basic Shared Ethernet LAN Access Links are available as follows:

			***CUSTOMER* NODES**					
Basic Shared Ethernet LAN								(T)
Access Links	**OC-3**	**OC-3+**	**OC-12**	**OC-48**	**OC-48+**	**OC-192**	**OC-192+**	
10 Mbps - Electrical	Yes	No	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	(T)
100 Mbps - Electrical	No	No	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	(T)
100 Mbps - Optical	No	No	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	(T)
Fractional 1000 Mbps - Optical at 50 Mbps	Yes	No	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	(N)
Fractional 1000 Mbps - Optical at 150 Mbps, 300 Mbps or 450 Mbps	No	No	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	(T)
Fractional 1000 Mbps - Optical at 600 Mbps or 1000 Mbps	No	No	No	Yes[1]	Yes[1]	Yes[1]	Yes[1]	(T)

A connection to a Basic Shared Ethernet Access Link at a Central Office Node on a ring may be made utilizing a comparable Fractional 1000 Mbps Central Office Channel Interface. (N)

The Virtual Packet Ring sizes available for the various SMARTRing service rings capacities and the Basic Shared Ethernet Access Links available on a Virtual Packet Ring are as follows:

	VIRTUAL PACKET RING SIZE (MBPS)						
SMARTRing Service Ring Capacity	**50**	**150**	**300**	**450**	**600**	**1000**	
OC-3	Yes	No	No	No	No	No	(N)
OC-12	Yes	Yes	Yes	Yes	No	No	
OC-48 or OC-48+	Yes	Yes	Yes	Yes	Yes	Yes	
OC-192 or OC-192+	Yes	Yes	Yes	Yes	Yes	Yes	

	VIRTUAL PACKET RING SIZE (MBPS)						
Basic Shared Ethernet Channel Interfaces	**50**	**150**	**300**	**450**	**600**	**1000**	
10 Mbps Basic Shared Ethernet LAN Access Link - Electrical	Yes	Yes	Yes	Yes	Yes	Yes	
100 Mbps Basic Shared Ethernet LAN Access Link - Electrical	No	Yes	Yes	Yes	Yes	Yes	
100 Mbps Basic Shared Ethernet LAN Access Link - Optical	No	Yes	Yes	Yes	Yes	Yes	
Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link :							
Optical at 50 Mbps	Yes	Yes	Yes	Yes	Yes	Yes	(C)
Optical at 150 Mbps	*No*	Yes	Yes	Yes	Yes	Yes	(C)
Optical at 300 Mbps	*No*	No	Yes	Yes	Yes	Yes	(C)
Optical at 450 Mbps	*No*	No	No	Yes	Yes	Yes	(C)
Optical at 600 Mbps	*No*	No	No	No	Yes	Yes	(C)
Optical at 1000 Mbps	No	No	No	No	No	Yes	(N)

Note 1: Available for rings installed on or after May 11, 2006.

B7. DIGITAL NETWORK SERVICE (N)

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd) (N)

B7.7.1 General (Cont'd) (N)

L. SMARTRing service ordered on or after June 15, 2009 will have an optional feature and function associated with Virtual Packet Rings (VPR). Customers will be able to transport BellSouth Metro Ethernet Service (see A40.13 in the General Exchange Price List) over SMARTRing Metro Ethernet Access Links. Connections between Metro Ethernet and SMARTRing are at SMARTRing central office nodes. The VPR will broadcast the Metro Ethernet to all Metro Ethernet Access Links associated with a specific VPR. Since this is a best effort service, the Company does not guarantee any performance levels including packet loss, latency or jitter of the customer's network if the customer chooses to oversubscribe their network. Problems associated with throughput due to the best effort service capabilities of a Virtual Packet Ring do not constitute a service interruption for which a credit allowance would apply. (N)

Virtual Packet Ring will continue to function as a Best Effort service as described in K. proceeding. (N)

The connection at the central office between Metro Ethernet and SMARTRing is Optical. The mixing of Access Link traffic and Metro Ethernet Access Link traffic on the same VPR is not supported. An out of service condition occurs when an existing Access Link is converted to a Metro Ethernet Access Link. Each node on the SMARTRing will connect to the metro Ethernet circuit via the Virtual Packet Ring and Metro Ethernet Access Links. Metro Ethernet Access Links will provide the equipment essential to Metro Ethernet reporting, statistics and customer network management. (N)

Reconfiguration associated with Customer Network Management will not be allowed on Metro Ethernet Access Links. (N)

SMARTRing service Basic Shared Ethernet LAN - Metro Ethernet Access Links are available as follows: (N)

	NODES							
Metro Ethernet Access Links – Fractional 1000 Mbps at:	**OC-3**	**OC-3+**	**OC-12**	**OC-48**	**OC-48+**	**OC-192**	**OC-192+**	(N)
150 Mbps	No	No	Yes	Yes	Yes	Yes	Yes	(N)
300 Mbps	No	No	Yes	Yes	Yes	Yes	Yes	(N)
450 Mbps	No	No	Yes	Yes	Yes	Yes	Yes	(N)
600 Mbps	No	No	No	Yes	Yes	Yes	Yes	(N)
1000 Mbps	No	No	No	Yes	Yes	Yes	Yes	(N)

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.3 Architecture (Cont'd)

A. SMARTRing Service (Cont'd)

- Interoffice Channel (one for each path between each two directly connected Company Central Offices), provides for the communications path between directly connected Company Central Offices located on a SMARTRing service.
- Internodal Channel (one for each path between two directly connected Customer Nodes), provides for the communications path, where requested, between two directly connected Customer Nodes located (a) in the same Serving Wire Center area or (b) in the same Office Park/Campus Environment or contiguous property, located in contiguous Serving Wire Center areas.
- Channel Interface Capacity Reallocation (one per node per occurrence), allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces. For example, a customer may initially allocate, activated or spare, eighty-four DS1s at each node on the ring and may subsequently request Channel Interface Capacity Reallocation to drop one DS3 and fifty-six DS1s at each node, or other combination of DS3s and/or DS1s equivalent to an OC-3 Network Capacity.
- SMARTRing service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a SMARTRing service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel.
- SMARTRing service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface). For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582.
- When the distance between nodes on a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. Accordingly, FlexServ service Customer Network Management may not be ordered with a Regeneration Node, however, a customer may monitor a Regeneration Node via the FlexServ service Customer Network Management Surveillance option when a customer has established surveillance for a ring. Regeneration Node Surveillance is provided as a part of the charges associated with the customer's ring level FlexServ service Customer Network Management Surveillance. A Regeneration Node and Regeneration Node Surveillance, as applicable, will appear on a customer's records as a non-rated USOC, as follows:

	USOC
Regeneration Node, all ring capacities, non-rated	SHNRD
Regeneration Node Surveillance, all ring capacities, non-rated	SHNRS

- SMARTRing service Virtual Packet Rings may be established to work with either electrical or optical Basic Shared Ethernet LAN Access Links. A Virtual Packet Ring established associated with electrical access links will only work with electrical Basic Shared Ethernet LAN Access Links and a Virtual Packet Ring established associated with optical access links will only work with optical Basic Shared Ethernet LAN Access Links. Electrical and optical access links may not be mixed on the same Virtual Packet Ring.
- An individual Basic Shared Ethernet LAN Access Link associated with a VPR may not be equal to the size of the VPR and the sum of all or access links on a VPR must be equal to or less than the size (i.e., capacity) of the Virtual Packet Ring. An individual SMARTRing service arrangement may have multiple Virtual Packet Rings, up to and including the capacity of the ring.
- Metro Ethernet Access Links must be Optical and must work with an optical VPR. Metro Ethernet Access Links are sized in a static configuration, meaning that they will not allow bursting up to the line speed. This is important when configuring Metro Ethernet, VPR and the Metro Ethernet Access Link. If the Metro Ethernet circuit supports bursting then each Metro Ethernet Access Link needs to be configured to match the maximum bandwidth allowed. The VPR will also need to be configured to match the burst capability. (N)
- Metro Ethernet Access Link service uses the SMARTRing service as transport and broadcasts the Metro Ethernet to all Metro Ethernet Access Links associated with a specific VPR. Connection with the Metro Ethernet circuit at the SMARTRing central office node is limited to optical connections. (N)

(M)

Material appearing on this page previously appeared on page(s) 33.2 of this section.

B7. DIGITAL NETWORK SERVICE (N)

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd) (N)

(N)

B7.7.3 Architecture (Cont'd) (N)

A. SMARTRing Service (Cont'd) (N)

- Metro Ethernet and SMARTRing Metro Ethernet Access Links are limited to the following connections: (N)

Metro Ethernet Connection	SMARTRing Metro Ethernet Access Link Fractional 1000 Mbps at – Central Office	SMARTRing Metro Ethernet Access Link Fractional 1000 Mbps at – Customer Premises	(N)
Basic 1000 Mbps	1000 Mbps	1000 Mbps	(N)
Premium 100 Mbps Optical (Fixed)	150 Mbps	150 Mbps	(N)
Premium 250 Mbps (Fixed)	300 Mbps	300 Mbps	(N)
Premium 500 Mbps (Fixed)	600 Mbps	600 Mbps	(N)
Premium 100, 250, 500 Mbps (Burst)	1000 Mbps	1000 Mbps	(N)
Premium 900 Mbps, 1000 Mbps	1000 Mbps	1000 Mbps	(N)
Virtual Ethernet Service 100 Mbps	150 Mbps	150 Mbps	(N)
Virtual Ethernet Service 200 Mbps	300 Mbps	300 Mbps	(N)
Virtual Ethernet Service 300 Mbps	300 Mbps	300 Mbps	(N)
Virtual Ethernet Service 450 Mbps	450 Mbps	450 Mbps	(N)
Virtual Ethernet Service 600 Mbps	600 Mbps	600 Mbps	(N)
Virtual Ethernet Service 750, 900, 1000 Mbps	1000 Mbps	1000 Mbps	(N)

- Customer requested upgrades of SMARTRing service will involve a service outage associated with Basic Shared Ethernet LAN Access Links, for which a credit for service outage shall not apply. (M)

Material appearing on this page previously appeared on page(s) 33.1 of this section.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.4 Rates and Charges (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

9. Channel Interface Capacity Reallocation

	Nonrecurring Charge	USOC
(a) Per Node, Per occurrence	$265.00	SHRBC

10. Concatenation Rearrangement Charge

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent	USOC
(a) Per OC-3, OC-12 or OC-48 optical circuit rearranged as concatenated or non-concatenated subsequent to the initial installation of the circuit	$-	$-	$500.00	NRCCN

11. SMARTRing Service Rearrangement

(a) Surveillance, Per Node, per SMARTRing service	-	-	255.00	SHNRR
(b) Reconfiguration, Per STS-1 group, per Node	-	-	365.00	SHNRI

12. Basic Shared Ethernet LAN Access Link (T)

(a) Customer Premises ***Access Link Connection*** (T)

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(1) Per 10 Mbps Basic Shared Ethernet LAN Access Link - Electrical[1]	$2,050.00	$730.00	NA	NA	NA	SHN1G	(T)
(2) Per 100 Mbps Basic Shared Ethernet LAN Access Link - Electrical[1]	2,050.00	780.00	NA	NA	NA	SHN1H	(T)
(3) Per 100 Mbps Basic Shared Ethernet LAN Access Link – Optical 1310 nm Single-mode[1]	2,050.00	780.00	NA	NA	NA	SHN1I	(T)
(4) Per Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link - Optical[1]							(T)
- 50 Mbps 850 nm Multi-mode	2,050.00	750.00	NA	NA	NA	SHN1S	
- 50 Mbps 1310 nm Single-mode	2,050.00	750.00	NA	NA	NA	SHN3S	
- 150 Mbps 850 nm Multi-mode	2,050.00	810.00	NA	NA	NA	SHN1W	
- 150 Mbps 1310 nm Single-mode	2,050.00	810.00	NA	NA	NA	SHN3W	
- 300 Mbps 850 nm Multi-mode	2,050.00	870.00	NA	NA	NA	SHN1X	
- 300 Mbps 1310 nm Single-mode	2,050.00	870.00	NA	NA	NA	SHN3X	
- 450 Mbps 850 nm Multi-mode	2,050.00	930.00	NA	NA	NA	SHN1Y	
- 450 Mbps 1310 nm Single-mode	2,050.00	930.00	NA	NA	NA	SHN3Y	
- 600 Mbps 850 nm Multi-mode	2,050.00	1,020.00	NA	NA	NA	SHN1Z	
- 600 Mbps 1310 nm Single-mode	2,050.00	1,020.00	NA	NA	NA	SHN3Z	

(M)

Note 1: Basic Shared Ethernet LAN Access Link interfaces are available based on equipment capability and only at Customer Nodes.

Material previously appearing on this page now appears on page(s) 36.2 of this section.

B7. DIGITAL NETWORK SERVICE (N)

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd) (N)

(N)

B7.7.4 Rates and Charges (Cont'd) (N)

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd) (N)

12. Basic Shared Ethernet LAN Access Link (Cont'd) (N)

(b) Metro Ethernet Access Link Connection (N)

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(1) Per Fractional 1000 Mbps Access Link – Metro Ethernet Customer Premises							(N)
- 150 Mbps 850 nm Multi-mode	**$2,050.00**	**$980.00**	NA	NA	NA	**SHNMA**	(N)
- 150 Mbps 1310 nm Single-mode	**2,050.00**	**980.00**	NA	NA	NA	**SHNSA**	(N)
- 300 Mbps 850 nm Multi-mode	**2,050.00**	**1,220.00**	NA	NA	NA	**SHNMB**	(N)
- 300 Mbps 1310 nm Single-mode	**2,050.00**	**1,220.00**	NA	NA	NA	**SHNSB**	(N)
- 450 Mbps 850 nm Multi-mode	**2,050.00**	**1,310.00**	NA	NA	NA	**SHNMC**	(N)
- 450 Mbps 1310 nm Single-mode	**2,050.00**	**1,310.00**	NA	NA	NA	**SHNSC**	(N)
- 600 Mbps 850 nm Multi-mode	**2,050.00**	**1,430.00**	NA	NA	NA	**SHNMD**	(N)
- 600 Mbps 1310 nm Single-mode	**2,050.00**	**1,430.00**	NA	NA	NA	**SHNSD**	(N)
- 1000 Mbps 850 nm Multi-mode	**2,050.00**	**1,570.00**	NA	NA	NA	**SHNME**	(N)
- 1000 Mbps 1310 nm Single-mode	**2,050.00**	**1,570.00**	NA	NA	NA	**SHNSE**	(N)
(2) Per Fractional 1000 Mbps Access Link - Metro Ethernet Central Office							(N)
- 150 Mbps	**2,050.00**	**980.00**	NA	NA	NA	**SHNOA**	(N)
- 300 Mbps	**2,050.00**	**1,220.00**	NA	NA	NA	**SHNOB**	(N)
- 450 Mbps	**2,050.00**	**1,310.00**	NA	NA	NA	**SHNOC**	(N)
- 600 Mbps	**2,050.00**	**1,430.00**	NA	NA	NA	**SHNOD**	(N)
- 1000 Mbps	**2,050.00**	**1,570.00**	NA	NA	NA	**SHNOE**	(N)

13. Virtual Packet Ring Rearrangement Charge (M)

	Monthly Rate	Nonrecurring Charge Initial	Nonrecurring Charge Subsequent	USOC	
(a) Per service order associated with a rearrangement to increase or decrease a virtual packet ring subsequent to the initial setup of the virtual packet ring	-	-	**$500.00**	**SHNRP**	(M)

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